

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of performing mixed mode communication between a first party using a first mobile communication device and second party using a second mobile communication device, comprising:

establishing a communication link between the first and second ~~parties~~ mobile communication devices using a first communication mode;

receiving an input from the first party at ~~a communication equipment of the first party~~ the first mobile communication device to establish a second communication link using a second communication mode with the second mobile communication device;

suspending the first communication mode at the first and second ~~parties' communication equipment~~ mobile communication devices automatically in response to the input;

commencing a second communication link between the first and second ~~parties~~ mobile communication devices, performed by the first mobile communication device calling the second mobile communication device using a second communication mode;

terminating the second communication link; and

upon terminating the second communication link, reestablishing a communication link using the first mode of communication.

2. (original) A method of performing mixed mode communication as defined in claim 1, wherein receiving an input from the first part generates an explicit termination which commences the suspending the first communication mode.

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

3. (currently amended) A method of performing mixed mode communication as defined in claim 1, wherein receiving an input from the first [[part]] party generates an in-band switch message which commences the suspending the first communication mode.

4. (original) A method of performing mixed mode communication as defined in claim 1, wherein suspending the first communication mode comprises retaining state session information to be used subsequently in commencing the reestablishing the communication link using the first mode of communication.

5. (original) A method of performing mixed mode communication as defined in claim 1, wherein establishing the communication link using the first communication mode is performed by a half duplex dispatch calling mode of communication.

6. (original) A method of performing mixed mode communication as defined in claim 1, wherein establishing the communication link using the first mode of communication is performed by a full duplex telephony mode of communication.

7. (original) A method of performing mixed mode communication as defined in claim 1, wherein commencing the communication link using the second communication mode is performed by a data calling mode of communication.

8. (original) A method of performing mixed mode communication as defined in claim 7, wherein the data calling mode of communication is performed using packet data.

9. (original) A method of performing mixed mode communication as defined in claim 7, wherein the data calling mode of operation is performed using a TCP/IP protocol.

10. (original) A method of performing mixed mode communication as defined in claim 7, wherein the data calling mode of operation is performed using a peer to peer protocol.

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

11. (currently amended) A method of performing mixed mode communication as defined in claim 1, wherein the second communication mode comprises transferring an image file from the first party mobile communication device to the second party mobile communication device.

12. (original) A method of performing mixed mode communication as defined in claim 11, wherein the image file includes meta data.

13. (original) A method of performing mixed mode communication as defined in claim 12, wherein the meta data includes text.

14. (original) A method of performing mixed mode communication as defined in claim 12, wherein the meta data includes a voice tag.

15. (currently amended) A method of performing mixed mode communication as defined in claim 1 further comprising querying a network identifier of the second party mobile communication device prior to commencing the second communication mode.

16. (original) A method of performing mixed mode communication as defined in claim 15, wherein the querying is performed upon first establishing the communication link using the first mode of communication.

17. (original) A method of performing mixed mode communication as defined in claim 15, wherein the querying is performed using a circuit data mode of communication.

18. (original) A method of performing mixed mode communication as defined in claim 15, wherein the querying is performed using an embedded signaling protocol.

19. (original) A method of performing mixed mode communication as defined in claim 15, wherein the querying is performed using a short message service message.

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

20. (currently amended) A method of performing mixed mode communication as defined in claim 15, wherein the querying comprises requesting the network identifier from the second party mobile communication device.

21. (currently amended) A method of performing mixed mode communication as defined in claim 15, wherein the querying comprises requesting the network identifier of the second party mobile communication device from a server.

22. (original) A method of performing mixed mode communication as defined in claim 1, wherein terminating the second communication link is performed by sending an explicit termination message.

23. (currently amended) A method of performing mixed mode communication as defined in claim 11, further comprising, at the second party mobile communication device, upon reestablishing the communication link using the first mode of communication, decoding the image at the second party mobile communication device while commencing communication using the first mode of communication.

24. (currently amended) A method of performing mixed mode communication as defined in claim 11, further comprising, at the second party mobile communication device, upon reestablishing the communication link using the first mode of communication, rendering the image at the second party mobile communication device while commencing communication using the first mode of communication.

25. (currently amended) A method of performing mixed mode communication as defined in claim 1, further comprising, upon establishing the communication link using the first mode of communication, instantiating an application to capture an image via a camera of the first mobile communication device while the first communication link commences.

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

26. (currently amended) A method of transferring data ~~during~~ during and supporting a voice call session between a first mobile communication device and a second mobile communication device, comprising:

establishing a voice communication link between the first and second mobile communication devices using a voice communication mode;

receiving an input at the first communication device to establish a second communication link with the second mobile communication device using a data communication mode;

suspending the voice communication [[link]] mode;

calling the second mobile communication device from the first mobile communication device using the data communication mode;

transferring a data file to the second mobile communication device from the first mobile communication device using the data communication mode; and

automatically resuming the voice communication [[link]] mode between the first and second mobile communication devices.

27. (currently amended) A method of transferring data ~~during~~ during and supporting a voice call session as defined in claim 26, further comprising selecting the data file prior to transferring the data file, and after establishing the voice communication link.

28. (currently amended) A method of transferring data ~~during~~ during and supporting a voice call session as defined in claim 27, wherein selecting the data file includes capturing an image at the first mobile communication device by means of a camera of the first mobile communication device, and wherein the image is the data file.

29. (currently amended) A method of transferring data ~~during~~ during and supporting a voice call session as defined in claim 26, further comprising querying a network identifier of the second mobile communication device prior to commencing the data communication mode.

30. (currently amended) A method of transferring data ~~during~~ during and supporting a voice call session as defined in claim 29, wherein the querying comprises requesting the network identifier from the second mobile communication device.

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

31. (currently amended) A method of transferring data ~~during~~ and supporting a voice call session as defined in claim 30, wherein the querying is performed automatically by the first mobile communication device by embedding the query in the voice communication link.

32. (currently amended) A method of transferring data ~~during~~ and supporting a voice call session as defined in claim 30 wherein the querying is performed automatically upon first commencing the voice communication link.

33. (currently amended) A method of transferring data ~~during~~ and supporting a voice call session as defined in claim 30, wherein the querying comprises requesting the network identifier of the second mobile communication device from a server.

Appl. No. 10/737,085
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

34. (currently amended) A method of binding a voice communication mode with a data communication mode during a communication session between a first party using a first mobile communication device and a second party using a second mobile communication device, at least the first mobile communication device having an image capturing means, the method comprising:

establishing a voice communication link between the first and second mobile communication devices using a voice communication mode;

instantiating an application on the first mobile communication device for binding the voice communication mode with the data communication mode;

receiving an input at the first mobile communication device to establish a data communication link using the data communication mode;

suspending the voice communication link;

transferring a data file to the second mobile communication device from the first mobile communication device using the data communication mode; and

automatically resuming the voice communication link;

wherein the suspending, transferring, and resuming are integrated under control of the application.

35. (original) A method of binding a voice communication mode with a data communication mode as defined in claim 34, wherein receiving the input comprises receiving an input at a share button of the first communication device.

36. (currently amended) A method of binding a voice communication mode with a data communication mode as defined in claim 34, wherein the application facilitates the first party in capturing an image in an image file via the image capture means of the first mobile communication device while commencing voice communication mode, and wherein the image file is the data file transferred via the data communication mode.

37. (original) A method of binding a voice communication mode with a data communication mode as defined in claim 36, further comprising appending meta data to the image file.

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

38. (original) A method of binding a voice communication mode with a data communication mode as defined in claim 37, wherein the meta data includes text.

39. (original) A method of binding a voice communication mode with a data communication mode as defined in claim 37, wherein the meta data includes a voice tag.

40. (currently amended) A method of binding a voice communication mode with a data communication mode as defined in claim 34, further comprising, upon terminating the data communication mode and resuming the voice communication link, rendering the data file at the second mobile communication device while commencing the voice communication mode.

41. (currently amended) A method of binding a voice communication mode with a data communication mode as defined in claim 34, further comprising, upon terminating the data communication mode and resuming the voice communication link, decoding the data file at the second mobile communication device while commencing the voice communication mode.

Appl. No. 10/737,065
Amdt. Dated July 6, 2006
Reply to Office Action of April 6, 2006

Docket No. CML00435N

42. (currently amended) A method of performing mixed mode communication between a first party using a first mobile communication device and second party using a second mobile communication device, comprising:

establishing a communication link between the first and second parties mobile communication devices using a first communication mode;

receiving an input from the first party at ~~a communication equipment of the first party~~ the first mobile communication device to establish a second communication link using a second communication mode;

commencing a second communication link between the first and second parties mobile communication devices using a second communication mode while maintaining the first communication mode, performed by calling the second mobile communication device from the first mobile communication device using the second communication mode; and

terminating the second communication link while maintaining the first communication mode.